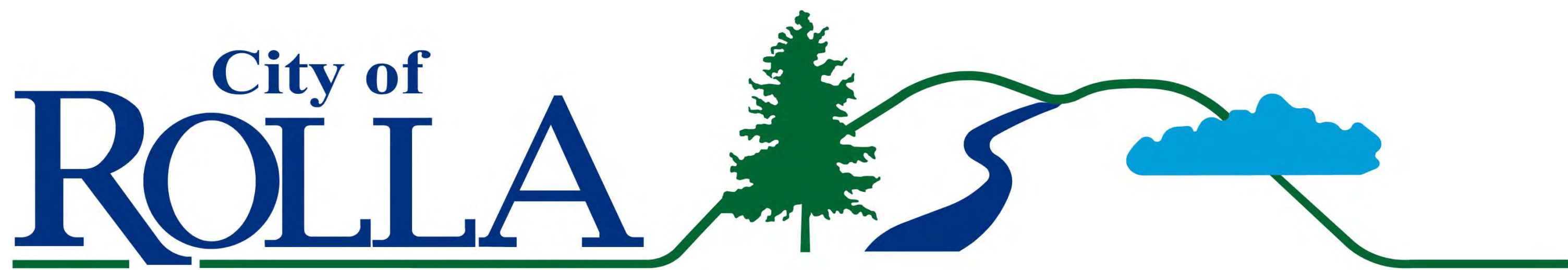


# Missouri Water Utility Partnership - July 8, 2010



**Project Size: \$2,026,709**

Annual Savings				
City	kilowatt Hours Electricity	Hundred Cubic Feet Natural Gas or Propane	Mgals Water	Dollars
Rolla	1,318,303	416		\$ 126,276



### Building Improvements

- Lighting retrofits / Lighting controls
- Programmable Thermostats, HVAC Controls System Scheduling
- Roof Replacement, Insulation
- Variable Frequency Drives for pumps, Chlorination system retrofit
- Lighting controls and light fixture retrofit
- Vending controls

### Wastewater Plant Improvements

- Remove three existing blowers from office/blower building
- Reclaim blower space for new lab space
- Install self enclosed, energy efficient blowers near aeration basin
- Lighting controls and light fixture retrofit
- Replace raw lift pumps



Business Model:	Energy Saving Performance Contracting
Prime Contractor:	Siemens Industry, Inc.
Utility Partners:	None
Funding Sources:	(1) Energize MO Communities Grant, MDNR - \$337,067; (2) Energy Revolving Fund, MO DNR - \$119,795; (3) Bank of America - \$1,569,846

**This will prevent the following greenhouse gases from being released into the atmosphere**



**2,999,140 lbs**  
Carbon Dioxide  
(CO<sub>2</sub>)



**4,777lbs**  
Nitrogen Oxide  
(NO<sub>x</sub>)



**11,617 lbs**  
Sulfur Dioxide  
(SO<sub>2</sub>)

**Your greenhouse gas emissions savings are equivalent to:**



**10**

Acres of forest preserved from deforestation



**8**

Railcars of coal burned



**249**

Cars removed from the road for one year



**3,164**

Barrels of oil burned